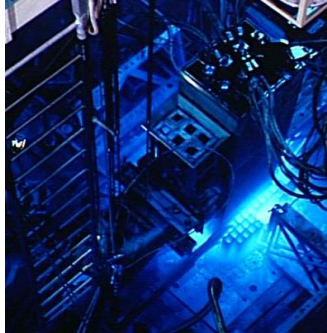


Some Opening Remarks on IGORR 18th conference & IAEA Workshop



*Dr Gilles Bignan
French Atomic Energy Commission
IGORR Chairman*



IAEA
International Atomic Energy Agency
Atoms for Peace

What is the International Group On Research Reactors ?

- A mature organisation who started in 1990
- Motivations at that time (extract from the charter)
- “many organizations, in several countries, are planning or implementing new or upgraded research reactor projects, but there has been no organized forum devoted entirely to discussion and exchange of information in this field“ →
- **The International Group on Research Reactors (IGORR) was formed to facilitate the sharing of knowledge and experience among those institutions and individuals who are actively working to design, build and promote new research reactors or to make significant upgrades to existing facilities.**

(Proceedings of the first meeting, 03/1990-Oak-Ridge-Tennessee-USA).

- ***And now in 2017, Objectives and motivations are the same: Sharing experiences on operation, utilization, refurbishment , Safety, new projects...on any type of RR***
- ***IGORR has been hosted on 5 of the 7 continents:***
- ***Europe (6), North America (4), Asia (4), South America (2), and Australia (1) in March 2003 → +1 with this 18th edition***



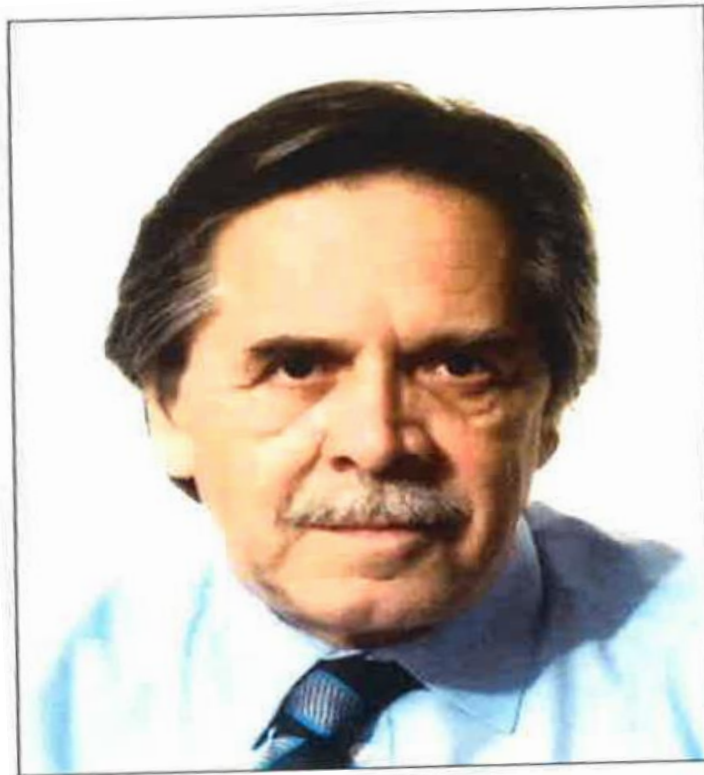
The IGORR Steering Committee

- *There were 17 members of the original steering committee representing 7 countries (1990)*
- *The number of members of the Steering Committee has varied from a low of 15 to a high of 21*
- *IGORR SC today (20 members):*
 - **AUSTRALIA** : Mark Summerfield (ANSTO)
 - **AUSTRIA** : Danas Ridikas (IAEA)
 - **ARGENTINA** : Herman Blaumann (CNEA) - Nestor Di Lorenzo (INVAP)
 - **BELGIUM** : Steven Van Dyck (SCK.CEN)
 - **CANADA** : Christopher Haysel (McMaster University)
 - **CHINA** : KE Guotu(CIAE) - Xinxin Lu (INET)
 - **FRANCE** : Gilles Bignan (CEA) - Claude Pascal (AREVA-TA)
 - **GERMANY** : Heiko Gerstenberg (TUM)
 - **JAPAN** : Takeshi Maruo (JAEA)
 - **JORDAN** : Khalifeh Abu Sallem (JAEC)
 - **RUSSIA** : Alexander Tuzov (ROSATOM)
 - **SOUTH KOREA** : Hoan-Sung Jung (KAERI)
 - **USA** : John Bumgardner (INL) - Tim Powers (CRNL) - Robert Williams (NIST) - Linwen Hu (MIT) - Hayman Hawari (NCSU)

The IGORR Steering Committee: Tribute to Edgar

- ***Our Colleague and friend Edgar Koonen from the Belgium SCK.CEN sadly passed away this October after long illness: he was a real active member of the RR community (represents SCK.CEN in the IGORR SC for many years) and we will remember his high professionalism and his humor !***

- ***Bye Edgar !***



Last time IGORR forum came to Australia was in...2003 here in Sydney

Time to come back !

See below still an active and dynamic community



**DAEJEON – KOREA
(October 2013)**

How does IGORR forum works ?

- Organise conference generally every 18 months (in average) since 1990
 - Rotate location of the conference between Europe, Asia (Australasia) and the Americas
 - An International Steering Committee to establish the future conference and prepare the program (reviewing, organisation...)
 - A strong wish from the SC to combine IGORR conference with other forums :
 - Combined IGORR/US-TRTR (Oak-Ridge September 2010)
 - Combined IGORR/RRFM (Prague March 2012)
 - Combined IGORR/IAEA TM on ageing management (Daejeon Oct 2013)
 - Combined IGORR/IAEA TM on Low Power RR (Bariloche Nov2014)
 - Combined IGORR/RRFM (Berlin March 2016)
- This IGORR 2017 conference combined with an IAEA workshop on Lessons learned on FD accident for RRs –thanks to the agency!**
- IGORR has no particular structure (→ strong involvement of the local organiser)
Many thanks to ANSTO staff for huge amount of Works to organise this conference

• **Neutron beam reactors with high neutron flux beams** (CNS : Cold Neutron Source)

- High neutron fluxes to investigate matter
- Basic science
- Neutronography
- Radioisotopes



• **Technological irradiations reactors** (MTR: Material Testing Reactor)

- R&D to study Fuel and Material Behavior under irradiation
- Production of radioisotopes (MOLI)



• **Physic reactors** (LPR/ZPR Low/Zero Power Reactors)

- Neutron physics
- Reactor core physics (code qualification)
- Instrumentation/Calibration
- Criticality and safety issues

• **Safety dedicated Reactors**

• **Reactors for Education & Training (E&T)**



About this conference : a dense Program until Thursday late afternoon...

- The Program : around 90 Oral presentations and 12 Posters
(thanks to the authors)
- About 100 participants from 25 countries
- **Main topics :**
 - **Safety Reassessment: Lessons learned from the FD accident (IAEA Workshop)**
 - **Ageing Management, Refurbishments**
 - **new Research Reactors projects**
 - **Operation & Maintenance**
 - **Safety Reassessment, ...**
 - **Utilisation of Research Reactors/E&T**
 - **Irradiation Technologies**
 - **Innovative methods**
 - **Radio-isotopes Production**
 - **CNS**



IAEA
International Atomic Energy Agency
Atoms for Peace



ansto



About this conference : a dense Program until Thursday late afternoon...

- 19 sessions ! Some in plenary, some in parallel
 - Each presentation has the same time slot: 15 minutes + 5 minutes for questions
- it is asked to the chairmans to be tough on keeping the timing (and load presentations before the session !!!)
- Each Chairman should prepare a short summary of the session
 - Meeting of the Chairpersons Wednesday 6th late afternoon for summaries analysis and preparation of the closing session
 - Thursday noon: departure to ANSTO technical tour (by bus-return to ICC late afternoon)
 - Do not miss the conference dinner on Tuesday evening !!!
 - Note: IGORR Steering Committee meeting tonight 18:30-19:30

**All the Participants are
strongly encouraged to follow
the Posters session on Tuesday
early afternoon**

About this conference...

- So Thanks to all for participating and enjoy this fruitful Conference

**Many Thanks to the
ANSTO team in charge of
the organisation !!**

**And Many
Thanks to our
Sponsors for
helping
building this
conference:
MIRION
KAERI
INVAP**



IAEA

International Atomic Energy Agency

Atoms for Peace



Australian Government

ansto